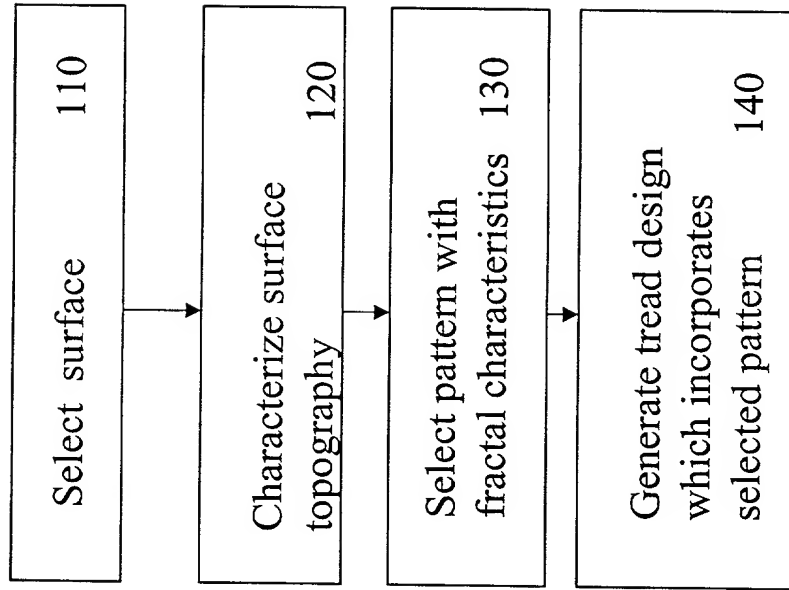
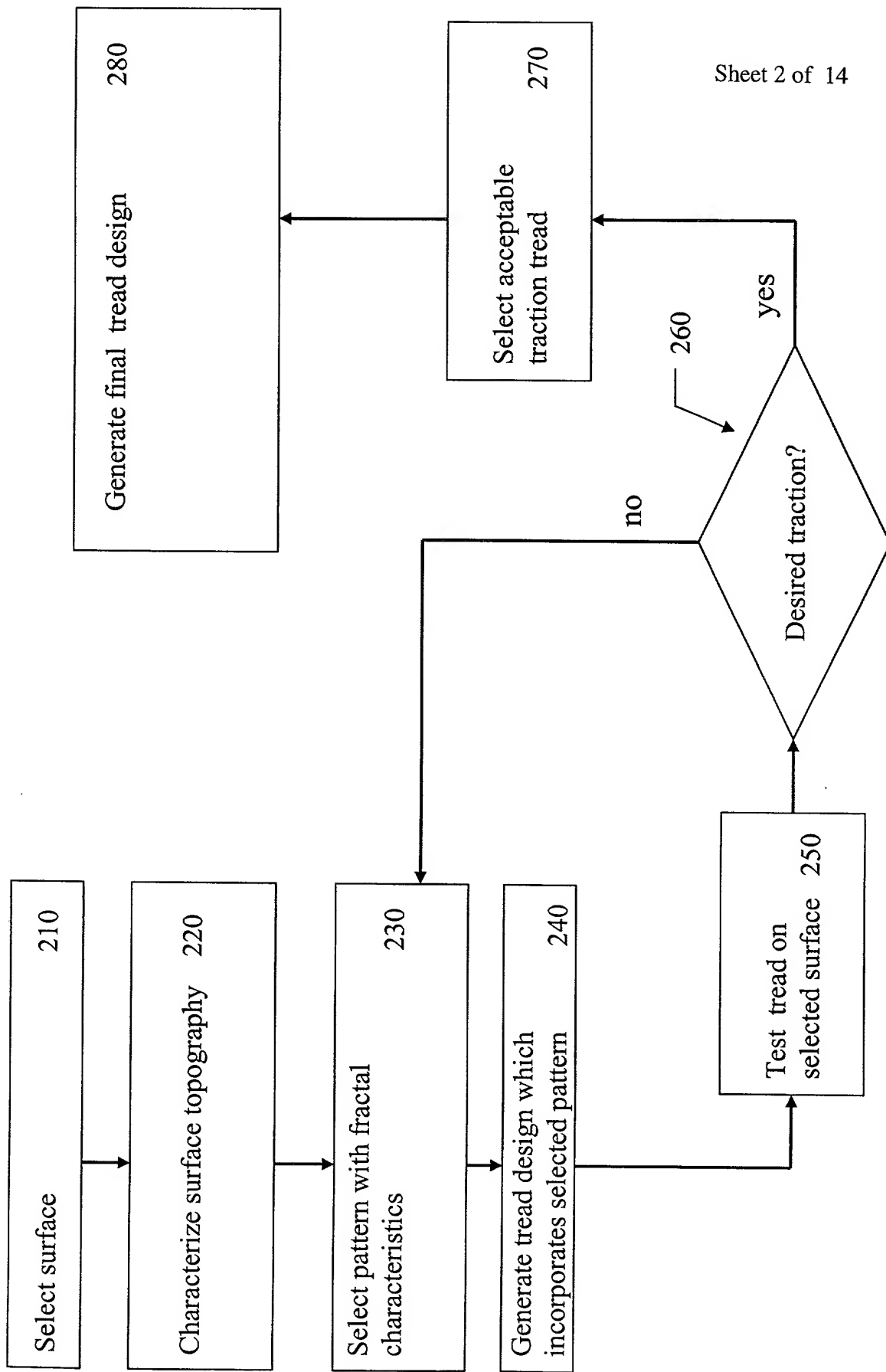


# General Fractal Tread Design



**Fig. 1**

# Empirical Tread Design



Sheet 2 of 14

**Fig. 2**

# Empirical Tread Design - substeps of 230

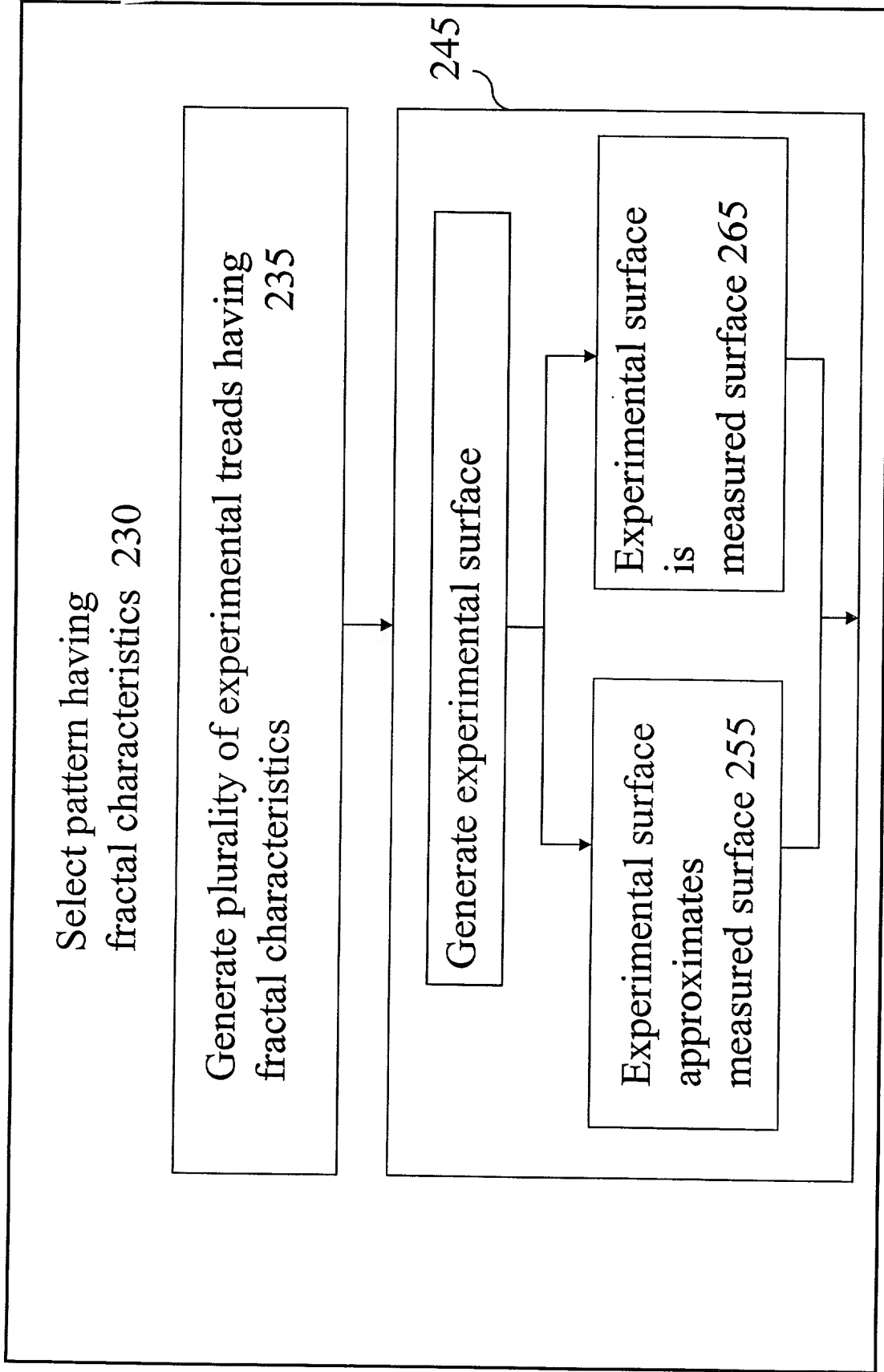
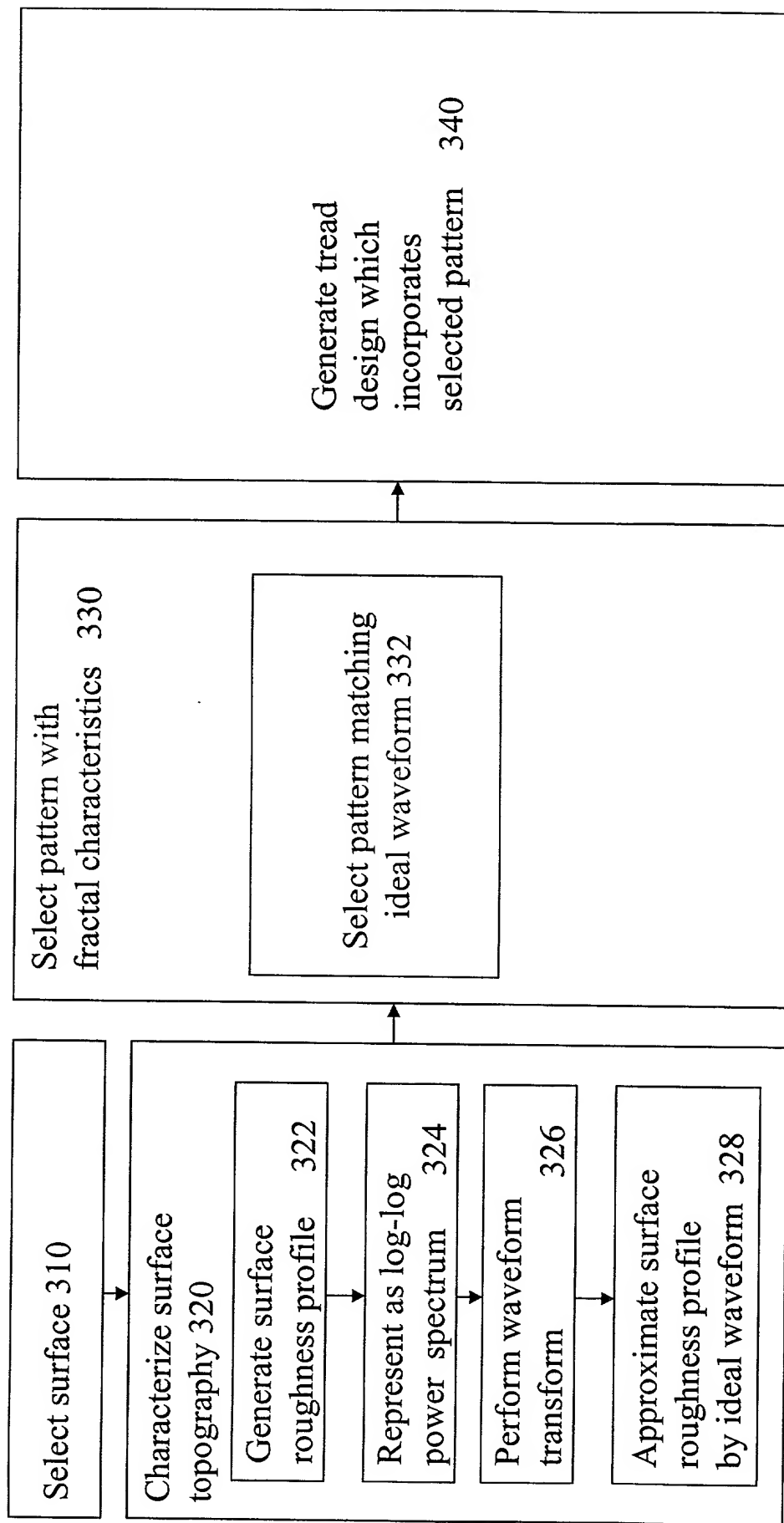
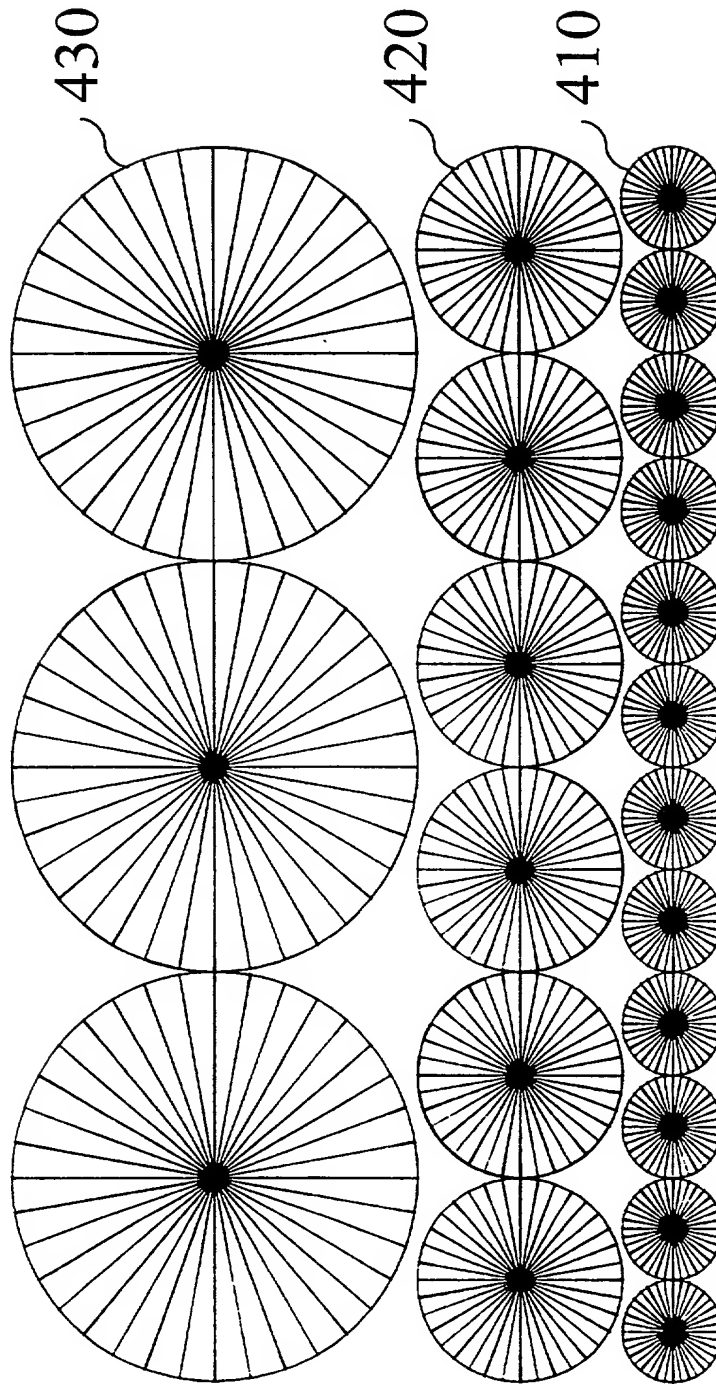


Fig. 2A

# Analytical Tread Design



**Fig. 3**



**Fig. 4A**

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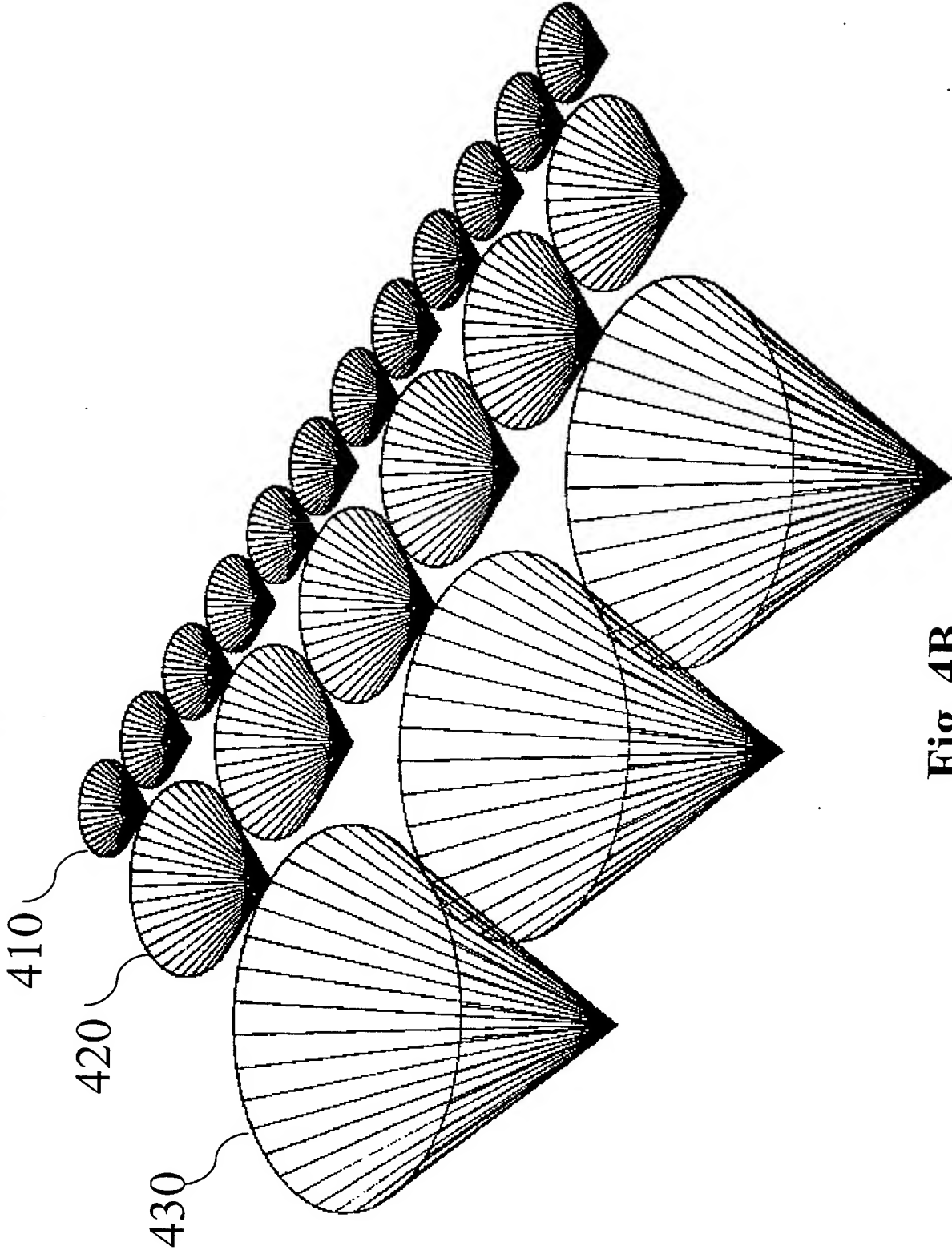


Fig. 4B

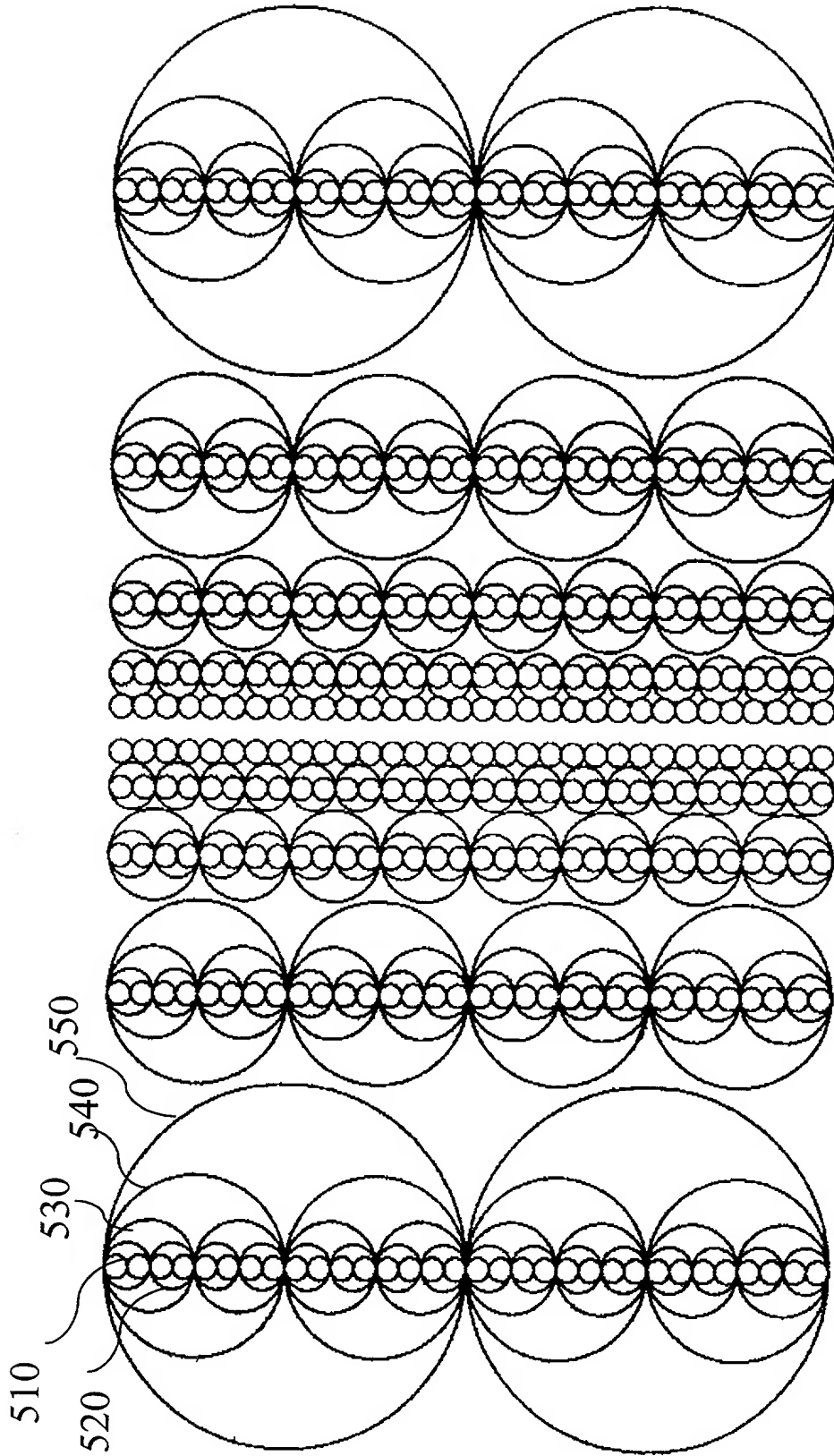


Fig. 5

2020-05-16 00:00

Cylinders - cross section

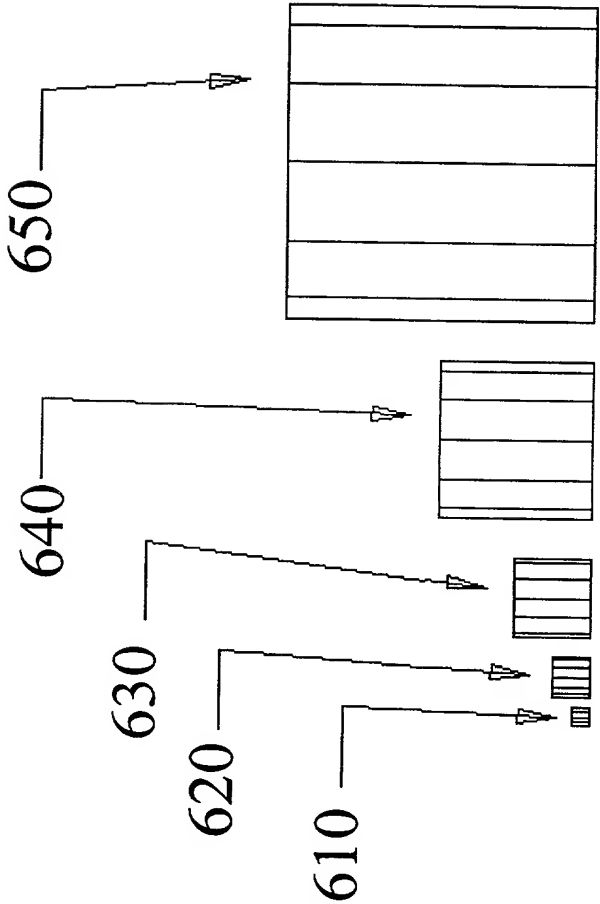


Fig. 6



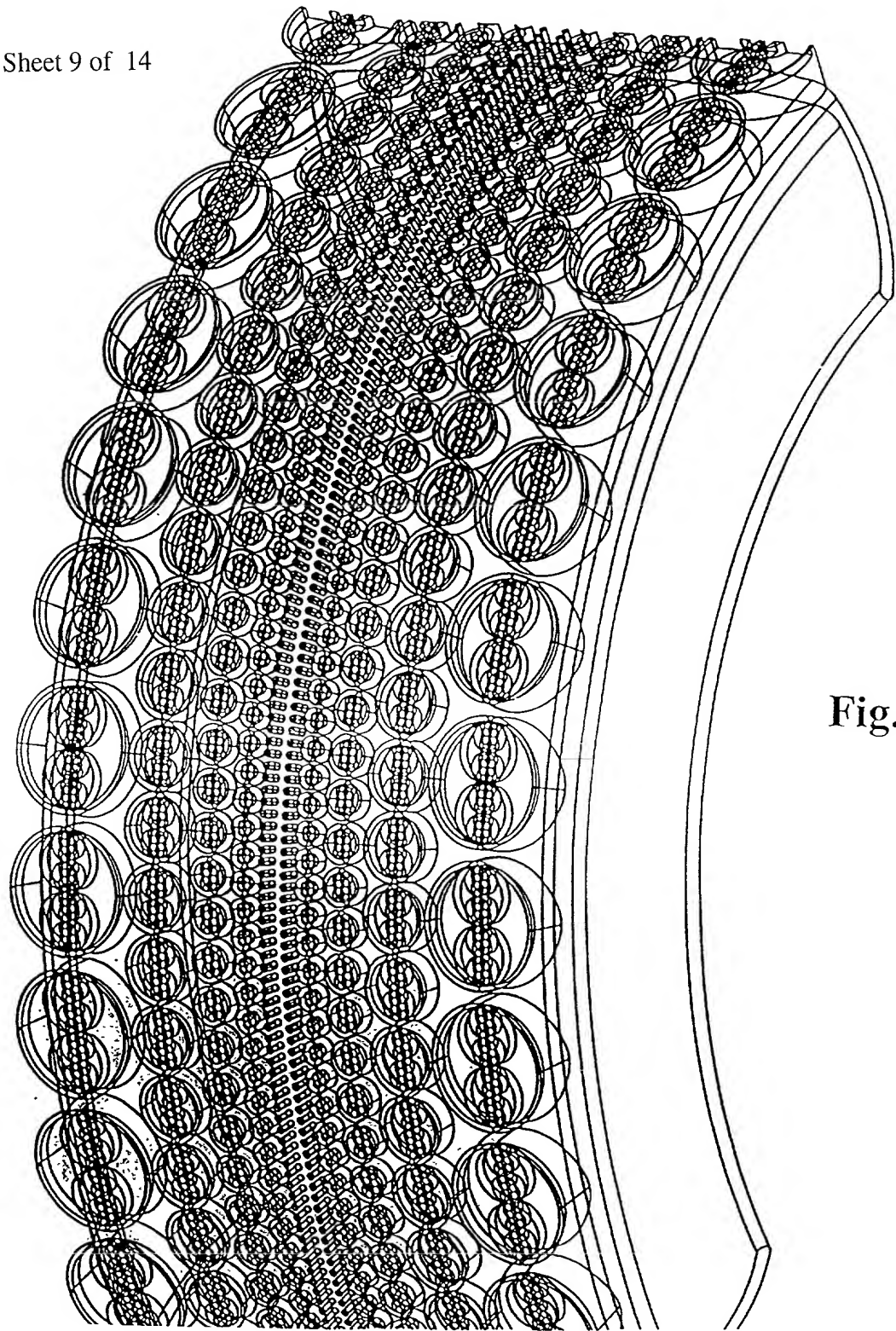


Fig. 7

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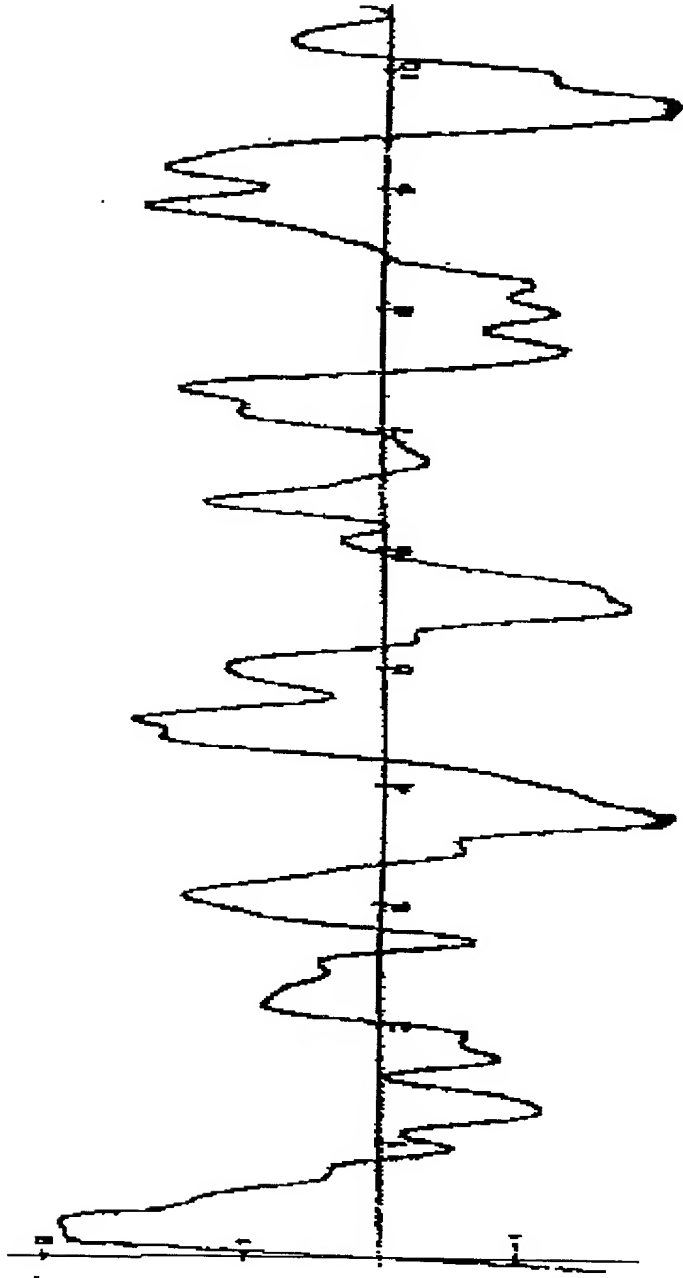


Fig. 8

202010-5616E001

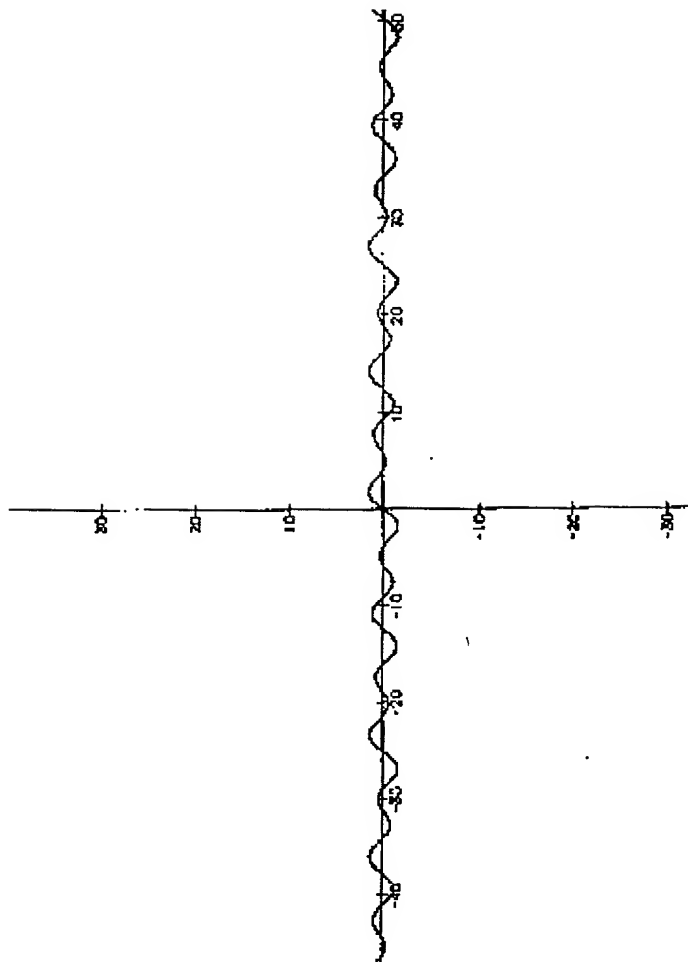
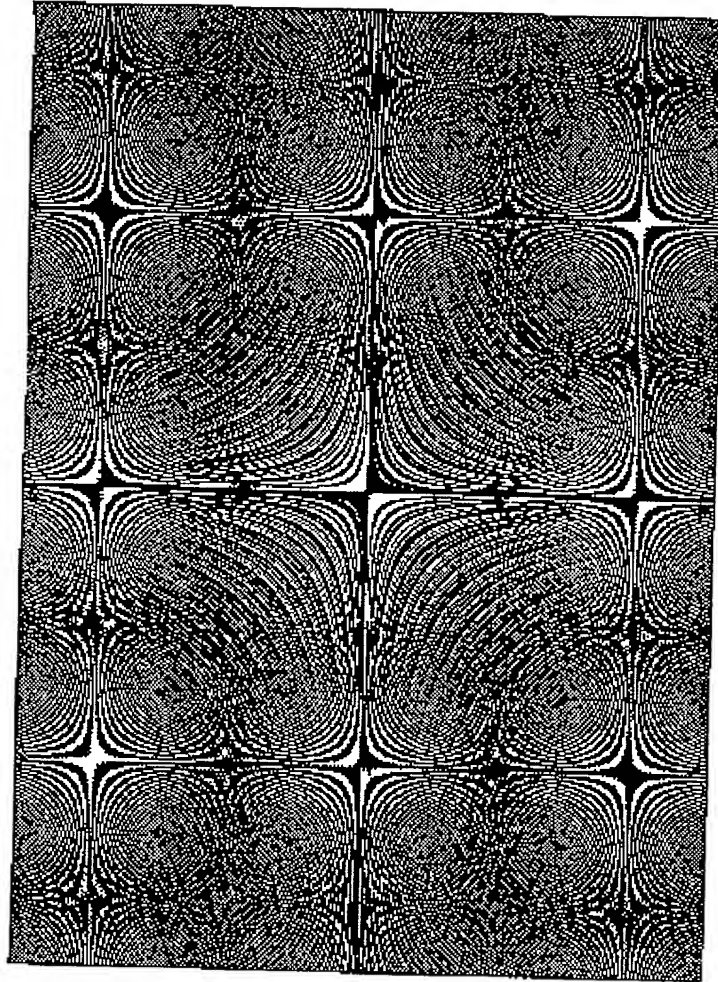


Fig. 9

$$z = \sin xy + \frac{1}{2} \sin \left( \frac{xy}{2} \right) + \frac{1}{4} \sin \left( \frac{xy}{4} \right) + \frac{1}{8} \sin \left( \frac{xy}{8} \right) + \frac{1}{16} \sin \left( \frac{xy}{16} \right)$$



**Fig. 10**

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$$z = \sin xy + \frac{1}{2} \sin \left( \frac{xy}{2} \right) + \frac{1}{4} \sin \left( \frac{xy}{4} \right) + \frac{1}{8} \sin \left( \frac{xy}{8} \right) + \frac{1}{16} \sin \left( \frac{xy}{16} \right)$$

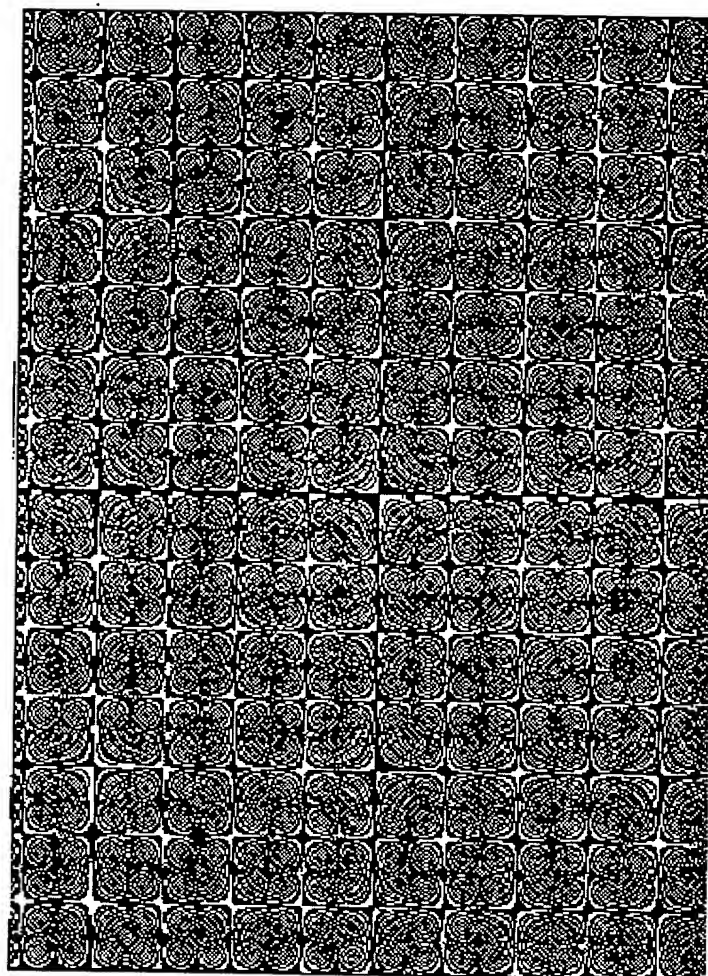


Fig. 11

$$z = \sin xy + \frac{1}{2} \sin \left( \frac{xy}{2} \right) + \frac{1}{4} \sin \left( \frac{xy}{4} \right) + \frac{1}{8} \sin \left( \frac{xy}{8} \right) + \frac{1}{16} \sin \left( \frac{xy}{16} \right)$$

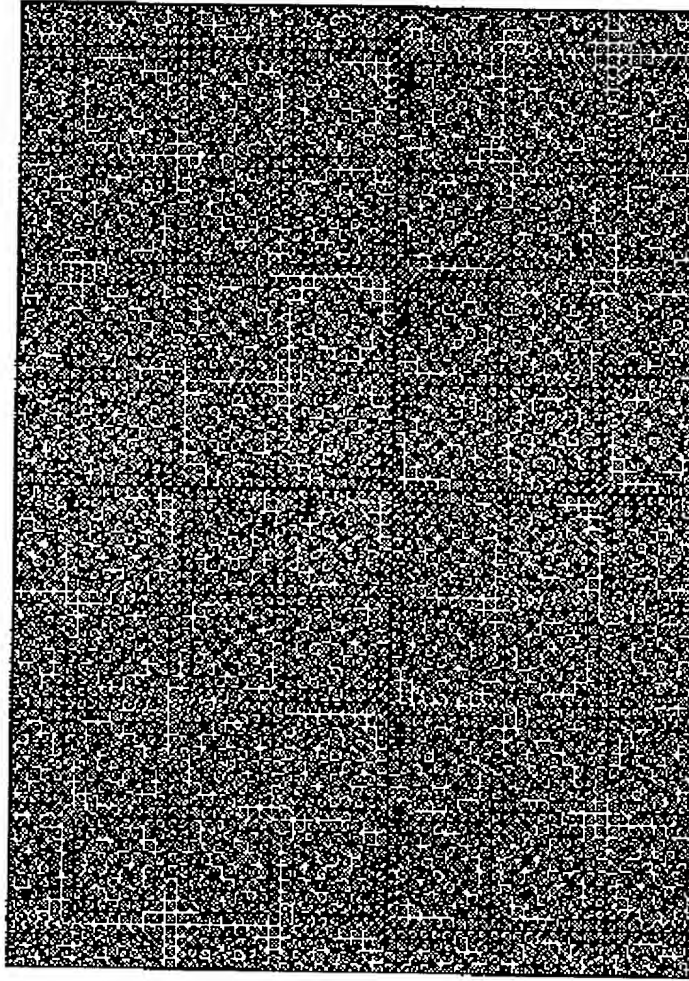


Fig. 12